

Appln No. 09/650,482
Amdt date August 18, 2003

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1. (Original) A pharmaceutical administrative system comprising:

a pharmacy network including a pharmacy server and at least one pharmacy client system, the at least one pharmacy client system configured to accept and process orders for medications; and

a service center network including a service center server and a service center client system, the service center network coupled to the pharmacy network and configured with a global database including a plurality of formulary records;

wherein the service center server supplies the pharmacy server at least one of the plurality of formulary records upon request by a pharmacy client system when a order is processed.

Claim 2. (Original) The pharmaceutical administrative system of claim 1 wherein the global database further includes a plurality of order records, each order record including order information for an order accepted and processed by the at least one pharmacy client system.

Claim 3. (Original) The pharmaceutical administrative system of claim 1 wherein the global database further includes a

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plurality of customer records, each customer record including contact and formulary information for at least one customer.

Claim 4. (Original) The pharmaceutical administrative system of claim 2 wherein the global database further includes a plurality of patient records, each patient record including contact information and medication history for at least one patient.

Claim 5. (Original) The pharmaceutical administrative system of claim 3 wherein the pharmacy client system is further configured to generate medication specific label containing medication identification information.

Claim 6. (Original) The pharmaceutical administrative system of claim 5 wherein the pharmacy client system is configured to provide updates to the patient, customer, and formulary records in the global database.

Claim 7. (Original) The pharmaceutical administrative system of claim 6 wherein updates to the formulary records include modification to the ingredients of the medication.

Claim 8. (Original) The pharmaceutical administrative system of claim 7 wherein updates to the modification to the ingredients of the medication include changes to amounts of caloric content in the medication.

Claim 9. (Original) The pharmaceutical administrative system of claim 7 wherein updates to the modification to the

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ingredients of the medication include changes to amounts and preferences of electrolytes in the medication.

Claim 10. (Original) The pharmaceutical administrative system of claim 7 wherein the pharmacy client system is configured to verify the updates to the formulary records in the global database.

Claim 11. (Original) The pharmaceutical administrative system of claim 7 wherein the medication specific label is for an intravenous solution and the medication identification information includes a refractive index associated with the intravenous solution.

Claim 12. (Original) The pharmaceutical administrative system of claim 7 wherein the medication specific label is for an intravenous solution and the medication identification information includes a level of potassium associated with the intravenous solution.

Claim 13. (Original) The pharmaceutical administrative system of claim 7 wherein the pharmacy client system is configured to generate a calcium phosphate solubility curve for an order accepted and processed by the at least one pharmacy client.

Claim 14. (Original) The pharmaceutical administrative system of claim 6 further comprising a backup network including a backup server, the service center server replicating records of orders for medication and providing the records replicated to

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the backup server, the backup server storing the records replicated in a backup database and providing access to the backup database by the pharmacy network when the service center network is not available for a predetermined amount of time.

Claim 15. (Original) The pharmaceutical administrative system of claim 6 wherein the pharmacy server is configured with a local database containing a subset of formulary records of the plurality of formulary records in the global database that specifically pertains to the pharmacy network.

Claim 16. (Currently Amended) A The pharmaceutical administrative system of claim 1 wherein the pharmacy client system comprises receiving and processing orders for medication, the pharmacy client system comprising:

an order maintenance unit configured to create an order for medication for at least one customer and at least one patient;

a formulary unit coupled to the order maintenance and presenting information about the medication to the order maintenance unit;

a customer unit coupled to the order maintenance unit and presenting information relating to contact and purchasing information for the at least one customer ordering the medication; and

a patient unit coupled to the order maintenance unit and the customer unit and presenting information relating to contact and medical information for the at least one patient;

wherein the order maintenance unit is configured to modify the ingredients of the medication and to validate the modifications to the ingredients of the medication.

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Claim 17. (Original) The pharmacy client system of claim 16
wherein the medication is an intravenous solution.

Claim 18. (Original) The pharmacy client system of claim 17
wherein the order maintenance unit is configured to validate the
modifications to the ingredients by generating a calcium
phosphate solubility curve for the medication.

Claim 19. (Original) The pharmacy client system of claim 18
wherein the order maintenance unit is further configured to
determine calcium and phosphate content in the medication and
to compare the calcium and phosphate content to the calcium
phosphate solubility curve for the medication.

Claim 20. (Original) The pharmacy client system of claim 19
wherein the order maintenance unit is further configured to
provide a warning when the calcium and phosphate content does
not match the calcium phosphate solubility curve for the
medication.

Claim 21. (Original) The pharmacy client system of claim 20
wherein the order maintenance unit is configured to generate
medication specific labels for the medication.

Claim 22. (Original) The pharmacy client system of claim 21
wherein the medication specific labels for the medication
includes information about a refractive index of the intravenous
solution.

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Claim 23. (Original) The pharmacy client system of claim 22 wherein the medication specific labels for the medication includes information about a level of potassium in the intravenous solution calculated using flame photometry.

Claim 24. (Original) The pharmacy client system of claim 23 wherein the modifications to the ingredients of the medication includes modifications to caloric content of the medication.

Claim 25. (Original) The pharmacy client system of claim 24 wherein the order maintenance unit is configured to validate the modifications to the caloric content in the medication by comparing the modifications to predetermined amounts of caloric content in predefined medications.

Claim 26. (Original) The pharmacy client system of claim 23 wherein the modifications to the ingredients of the medication includes modifications to electrolytes in the medication.

Claim 27. (Original) The pharmacy client system of claim 26 wherein the order maintenance unit is configured to validate the modifications to the electrolytes in the medication by comparing the modifications to predetermined amounts of electrolytes in predefined medications.

Claims 28-40 (Cancelled)